

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number  
**WO 03/101475 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 38/00**
- (21) International Application Number: **PCT/US03/17411**
- (22) International Filing Date: **2 June 2003 (02.06.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:  
60/384,171 31 May 2002 (31.05.2002) US  
60/406,033 27 August 2002 (27.08.2002) US
- (71) Applicant (*for all designated States except US*): **TRANS-MOLECULAR INC.** [US/US]; 3800 Colonnade Parkway, Suite 240, Birmingham, AL 35243 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **ALVAREZ, Vernon, L.** [US/US]; 3800 Colonnade Parkway, Suite 240, Birmingham, AL 35243 (US). **GONDA, Matthew, A.** [US/US]; 3800 Colonnade Parkway, Suite 240, Birmingham, AL 35243 (US).
- (74) Agents: **SMYTH, Robert, J. et al.**; Morgan, Lewis & Bockius LLP, 1111 Pennsylvania Avenue, NW, Washington, DC 20004 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

WO 03/101475 A1

(54) Title: TREATMENT OF CELL PROLIFERATIVE DISORDERS WITH CHLOROTOXIN

(57) **Abstract:** Disclosed is a method of treating cell proliferative disorders, such as cancer, with low doses of chlorotoxin and/or derivatives, analogs or fragments thereof, which are effective to inhibit or arrest abnormal cell growth.